RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/675,470B_
Source: _1FW/6_
Date Processed by STIC: _2/6/06_

ENTERED

RAW SEQUENCE LISTING   DATE: 02/06/2006
PATENT APPLICATION: US/10/675,470B   TIME: 14:42:45

Input Set : E:\402.app.txt
Output Set: N:\CRF4\02062006\J675470B.raw

```
 4 <110> APPLICANT: Harding, Joseph W.
 5         Wright, John W.
 7 <120> TITLE OF INVENTION: AT4 RECEPTOR LIGANDS AS ANGIOGENIC,
 8         ANTI-ANGIOGENIC, AND ANTI-TUMOR AGENTS
11 <130> FILE REFERENCE: 730138.402
13 <140> CURRENT APPLICATION NUMBER: US 10/675,470B
14 <141> CURRENT FILING DATE: 2003-09-30
16 <160> NUMBER OF SEQ ID NOS: 7
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 4
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: AT4 ligand
```
W--> 28 `<221> NAME/KEY: MOD_RES`
```
29 <222> LOCATION: 1
30 <223> OTHER INFORMATION: Xaa = Nle
```
W--> 32 `<221> MOD_RES`
```
33 <222> LOCATION: 4
34 <223> OTHER INFORMATION: Xaa = Acp
```
W--> 36 `<400> 1`
W--> 37 **Xaa Tyr Ile Xaa**
```
38   1
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 6
43 <212> TYPE: PRT
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: AT4 ligand
```
W--> 49 `<221> NAME/KEY: VARIANT`
```
50 <222> LOCATION: 1-2
51 <223> OTHER INFORMATION: Reduced peptide bond
```
W--> 53 `<221> VARIANT`
```
54 <222> LOCATION: 3-4
55 <223> OTHER INFORMATION: Reduced peptide bond
```
W--> 57 `<400> 2`
```
58 Leu Tyr Leu His Pro Phe
59   1               5
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 6
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 02/06/2006
PATENT APPLICATION: US/10/675,470B   TIME: 14:42:45

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Output Set: N:\CRF4\02062006\J675470B.raw

```
       67 <220> FEATURE:
       68 <223> OTHER INFORMATION: AT4 ligand
W--> 70 <221> NAME/KEY: MOD_RES
       71 <222> LOCATION: 1
       72 <223> OTHER INFORMATION: Xaa = Nle
W--> 74 <221> VARIANT
       75 <222> LOCATION: 3-4
       76 <223> OTHER INFORMATION: Reduced peptide bond
W--> 78 <400> 3
W--> 79 Xaa Tyr Leu His Pro Phe
       80  1                   5
       83 <210> SEQ ID NO: 4
       84 <211> LENGTH: 4
       85 <212> TYPE: PRT
       86 <213> ORGANISM: Artificial Sequence
       88 <220> FEATURE:
       89 <223> OTHER INFORMATION: AT4 ligand
W--> 91 <221> NAME/KEY: MOD_RES
       92 <222> LOCATION: 1
       93 <223> OTHER INFORMATION: Xaa = Nle
W--> 95 <400> 4
W--> 96 Xaa Tyr Ile His
       97  1
      100 <210> SEQ ID NO: 5
      101 <211> LENGTH: 4
      102 <212> TYPE: PRT
      103 <213> ORGANISM: Artificial Sequence
      105 <220> FEATURE:
      106 <223> OTHER INFORMATION: AT4 ligand
W--> 108 <221> NAME/KEY: MOD_RES
      109 <222> LOCATION: 1
      110 <223> OTHER INFORMATION: Xaa= Nle
W--> 112 <221> MOD_RES
      113 <222> LOCATION: 3
      114 <223> OTHER INFORMATION: (CH2)6
W--> 116 <221> AMIDATION
      117 <222> LOCATION: 4
W--> 119 <400> 5
W--> 120 Xaa Tyr Ile Phe
      121  1
      124 <210> SEQ ID NO: 6
      125 <211> LENGTH: 6
      126 <212> TYPE: PRT
      127 <213> ORGANISM: Artificial Sequence
      129 <220> FEATURE:
      130 <223> OTHER INFORMATION: AT4 ligand
W--> 132 <221> NAME/KEY: MOD_RES
      133 <222> LOCATION: 1
      134 <223> OTHER INFORMATION: Xaa = Nle
```

RAW SEQUENCE LISTING   DATE: 02/06/2006
PATENT APPLICATION: US/10/675,470B   TIME: 14:42:45

Input Set : E:\402.app.txt
Output Set: N:\CRF4\02062006\J675470B.raw

```
W--> 136 <221> MOD_RES
     137 <222> LOCATION: 4,5
     138 <223> OTHER INFORMATION: Xaa = MeGly
W--> 140 <400> 6
W--> 141 Xaa Tyr Ile Xaa Xaa Phe
     142 1                 5
     145 <210> SEQ ID NO: 7
     146 <211> LENGTH: 6
     147 <212> TYPE: PRT
     148 <213> ORGANISM: Artificial Sequence
     150 <220> FEATURE:
     151 <223> OTHER INFORMATION: I-angiotensin IV
     153 <400> SEQUENCE: 7
     154 Val Tyr Ile His Pro Phe
     155 1                 5
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/06/2006
PATENT APPLICATION: US/10/675,470B   TIME: 14:42:46

Input Set : E:\402.app.txt
Output Set: N:\CRF4\02062006\J675470B.raw

Please Note:
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:1; Xaa Pos. 1,4
Seq#:3; Xaa Pos. 1
Seq#:4; Xaa Pos. 1
Seq#:5; Xaa Pos. 1
Seq#:6; Xaa Pos. 1,4,5

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/675,470B

DATE: 02/06/2006
TIME: 14:42:46

Input Set : E:\402.app.txt
Output Set: N:\CRF4\02062006\J675470B.raw

```
L:28  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:32  M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:36  M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:37  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:49  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:53  M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:57  M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:70  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:74  M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:78  M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:79  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:91  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:95  M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:96  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:108 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:112 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:116 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:119 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:132 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:136 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:140 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
```